CROSSTALK

Issue 56:06 56 Years Of Service To Our Community June 2015

2015 Club Officers

President :	**Jim Wright, N2GXJ**
Vice President :	**Cory Sickles, WA3UVV**
Treasurer :	**Al Arrison, KB2AYU**
Recording Secretary :	**Sheldon Parker, K2MEN**
Corresponding Secretary :	**Ron Block, NR2B**

Trustees - 4 year term

Martin Wilt, W2ILT	***(2012-2015)***
Ray Martin, W2RM	***(2014-2016)***
Brian Jones, KD2BXD	***(2014-2017)***
Bob Demola, KD2GFL	***(2015-2018)***

Board of Directors - 3 year term

Jeffrey Garth, KC2WCS	***(2013-2015)***	**John Zaruba Jr, K2ZA**	***(2014-2016)***
Mark Townsend, W2OCY	***(2013-2015)***	**Chuck Colabrese, WA2TML**	***(2015-2017)***
Dan Tremolini, N2TXG	***(2014-2016)***	**Bill Price, NJ2S**	***(2015-2017)***

This Month's Calendar…

General Membership Meeting
Wednesday, June 3, 2015 @ 1930 Hours
Pfeiffer Community Center

Tech Saturday Forum
Saturday, June 6, 2015 @ 0900 Hours
GCARC Clubhouse

VE License Testing Session
Thursday, June 11, 2015 @ 1900 Hours
Franklin Township Public Library
Gary Reed, N2QEE
glreed49 <*at*> verizon <*dot*> net

Board of Directors Meeting
Wednesday, June 17, 2015 @ 1900 Hours
GCARC Clubhouse

GCARC 2M Ragchew Net
Thursday, June 18, 2015 @ 2000 Hours
147.180 MHz Repeater

GCARC 11: 00 am Brunch
Every Friday @ The Seven Star Diner
1890 Hurffville Road, Sewell, NJ

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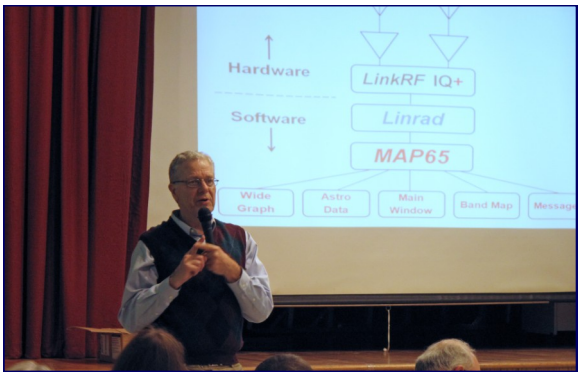
President's Message

It's June already! And you know what that means…Field Day! For newbies and veterans alike, this is your weekend! This is a club-sponsored event; and all members are invited to participate. The non-stop 24 hours on-air festivities begin Saturday afternoon June 27 at 1pm local time out in the fields surrounding our clubhouse at the 4-H Fairgrounds. We'll start setting up that morning. It's a picnic, a camp-out, practice for emergencies, an informal contest, and a public relations event all in one. It's the single most popular on-the-air event held annually in the US and Canada. With off-the-grid generators, tents, and temporary antenna set up all over the fields at the 4-H Fairground, do you really need a better excuse to play radio all weekend? Talk with a band chair for some operating time, or contact our field day chairman Kenny WB2P direct if you would like to set up your own station. There are still some band/mode slots available. CQ CQ Field Day from W2MMD, Whisky Two "Make My Day"! Stop on by anytime for some socializing, some operating, and some fun! Guests welcome. Directions on our w2mmd.org website. Hope to see you there!

In addition to Field Day June 27, we will be celebrating our club with Free Pizza! Night at our club meeting on June 3. Then we are having an open door Tech Saturday Forum at the Clubhouse June 6. Stop by to say hello, meet some other hams, play on the station's radios, and more. If you are a club member, we'll have training available to show you how to use a personal access code properly to access the Clubhouse to operate there during the week. On June 13, ARES/RACES members will be providing radio support to the Tour de Pitman bike race. Contact Ed, N2RO, if you've not signed up yet to participate. And don't forget the ARRL's 50 MHz and up VHF contest starts later that same evening! On July 25 is our club sponsored Summer family picnic at the Red Bank Battlefield Park on the Delaware River. Thank you Jennifer, KD2EYR, for organizing! Looking forward, please reserve September 13 for our annual Hamfest out at the 4-H Fairgrounds! These and other events are noted on the new "Calendar" tab that our outstanding web master, Jeff, KC2WCS, has added to our w2mmd.org website. Thank you Jeff!



And Dr. Joe Taylor, K1JT, if you're reading this, thank you again for visiting with our radio club here in "down Jersey" last month. A most amazing presentation! The weak signals modes you have pioneered have sparked a newborn curiosity in the possibilities of ham radio for me and so many others the world over. The parking lot discussions continued long after the evening was over. Thank you again for giving so much to the hobby that we have grown to love!

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President's Message - Continued from page 2

Respectfully,
Jim Wright, N2GXJ

p.s. Go American Pharoah! Triple crown? June 6, we find out!

Welcome New Club Members:

Glenn Showalter, WB7QBZ, who has a General Class license and lives in Bellevue, WA.
Todd Rush, W7STR, who has a General Class license and lives in Haddon Heights, NJ and Cody, WY.

Welcome Back Returning Member:

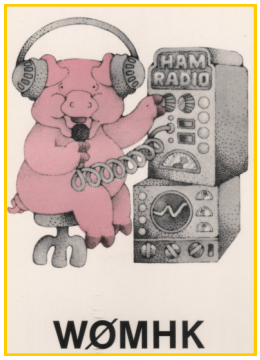
Peter Marek, KD2EYU, who has a Technician Class license and lives in Williamstown, NJ

We are glad to have you as members of the Club and hope to see you regularly at Club events, activities, and meetings.

100 Watts at the Clubhouse Station - May 21, 2015

By Mark Gottlieb, WA2DIY

Date	Time	Call	Band	Freq	Mode	Grid	Country	Comments
05/21	21:30	R120E	20M	14.215	SSB	LN05iw	Russia	Special Callsign - 120 Years of Radio
05/21	20:29	UR9IDX	15M	21.250	SSB	JJ00aa	Ukraine	Ivan Y. Borzenko
05/21	19:44	P40FN	15M	21.312	SSB	FK42xn	Aruba	Peter Dernikos VK3FN
05/21	19:32	II2EXPO	20M	14.217	SSB	JN45nl	Italy	Expo Milano 2015 - Special Call
05/21	19:10	TN/CT1FJZ	10M	28.455	SSB	IM58ko	Republic of Congo	Paulo Mira
05/21	18:48	W9IMS	17M	18.136	SSB	EM69wt	United States	Indianapolis Motor Speedway Amateur Radio Club
05/21	18:18	YO9GJY	17M	18.117	SSB	KN34bx	Romania	Stefania Chiruta
05/21	17:39	5Z0L	12M	24.965	SSB	KI88jr	Kenya	Silvano Borsa



Down Jersey DXing

By Bill Grim, W0MHK

Where did they go???? That's probably the question you asked about mid-April as you sat down at the rig to work a little DX on HF. Well, Mother Nature seemed to make a major change in HF propagation around that time for Down Jersey DXers! 10M through 20M really took a "nose-dive" for DX. 17M and 20M were slightly less affected, but they were also down on DX quantity and signal strength.

If you are not using a directional gain antenna on HF, you probably noticed the difference in conditions more drastically. No, it is not the end of DXing as we knew it. We just switched to a general change in propagation for the Summer months. This change is also a testament to the need for a decent 17 and 20 Meter antenna for the long "safari" coming with the bottoming of the solar cycle with its "DX Juice", Solar Flux.

It seemed like the right time to get out my old 10, 15 and 20 Meter propagation chart information for mapping what general DX conditions we will be experiencing this Summer. The chart can be somewhat calibrated for our place in the present solar cycle and for what area of the world you will be operating from. East Coast USA was chosen during a time of moderate sunspot activity during the Summer months. As expected the Summer charts look much different that the Spring/Fall charts.

10 Meters looks closed to many areas of the world most of the day and night Down Jersey for the Summer. Best bets (in local Daylight Time) are for the Caribbean around 4-6PM with lesser openings to South America and the Pacific/Australia around this time. Although my charts don't specifically cover the WARC bands, 12M propagation should be similar especially if 10M is open. Times may differ a bit and openings might be a bit longer on 12M. 12M might be open and 10M closed also depending on conditions.

15 Meters is also "skewed" to most openings later in the day than what we have recently experienced. Europe will generally be a disappointment (possibly non-existent on 10 and 12M). Some decent 15M opening to Africa, the Caribbean and South America should occur between 2 PM to around 6 PM. Asia will be most possible around 6-8PM, but don't expect very strong signals, if any. The Pacific could open to SNJ from 6PM til the band closes that night before midnight (or sooner).

20 Meters will have more regular propagation (solar disturbances aside) from about 3PM to 5AM! Yes, 20 Meters becomes a DX source late night when the other higher bands have "gone to sleep" and the lower bands are rampant with QRN/Summer static crashes. 8PM forward looks like a prime time to look for DX on 20 Meters. You should see a "peak" then for stations from Europe, Africa, the Caribbean, South America and the Far East. Pacific openings should be best from 1AM to 3AM with some strong signal peaks. Antarctica and Australia might show up in signal strength between 3AM and 5AM.

With no specific 17M charts, suffice it to say that 17 Meter propagation will be up to you to interpolate between the 15 Meter and 20 Meter predictions. 17M will close earlier than 20 Meters, but it can be a most useful band when "open" to work significant DX in Summer. This is a lesson of how 17M and 20M will be our "go to" HF bands for DX during the solar MINIMUM which will be coming.

Before shutting down here, a quick reminder about 6 Meters. As frustrating a band it can be, it can also be a lot of fun! As I am writing this piece, today, May 14th, seems to be the first day of DECENT Sporadic E propagation on 6M with loud signals being heard especially from the southern USA even on my 6 Band

Down Jersey DXing - Continued on page 5

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Vertical at 20 feet. If your rig has 6M capability, listen for signals during an opening and try a NON-6M antenna like a 3 band yagi or an odd band dipole. Then see if your internal antenna tuner will load up well enough to operate on the band. It might be "magical" as to what you can work!

DXpedition choices are limited this month, but also note the seasonal 6 Meter activity specified by the operations below:

CALL	DATES	HIGHLIGHTS	DIFFICULTY (5=MOST RARE)	ENTITY
9H3A	06/01 - 06/08	Focus on WARC Bands	1	Malta
OX	06/03 - 06/12	160-6M/CW, SSB, RTTY, Digital	1	Greenland
3A	06/05 - 06/07	HF/Mostly SSB	2	Monaco
8Q7CQ	06/05 - 06/18	HF/Some Digital/500 Watt	3	Maldives
VP2MKV	06/10 - 06/18	80-2M/CW, SSB, RTTY	1	Montserrat
V47JA	06/13 - 07/22	160-6M/CW, SSB, +	1	Saint Kitts
HB0	06/21 - 06/26	HF/SSB, RTTY, Digital	1	Liechtenstein
C6AUX	06/22 - 07/06	Mainly 6M + HF/CW, SSB	1	Bahamas
PJ5	06/25 - 07/06	Focus on 6M + HF	1	Saint Eustatius
OJ0V	06/28 - 07/04	40-6M/CW, SSB	2	Market Reef
Field Day	June 27-28	Hone Your Operating Skills With	W2MMD!!!!!!	Mullica Hill, NJ

Credits : NG3K Announce DX Operations : www.ng3k.com/Misc/adxo.html

Museum Ships Weekend 2015
0000Z June 6 through 2359Z June 7, 2015

The Battleship New Jersey Amateur Radio Club is sponsoring the annual Museum Ships Weekend Event.

As of May 9th, 83 ships had signed up to operate.
By the event, they expect about 100 ships to be active.

Go to www.nj2bb.org/museum/ for more details on ship's QSLs and event certificates.

ARRL Ham Radio License Exam Practice Website
www.arrlexamreview.appspot.com

April 2015 SNJ Section Report

Well, now that Spring has sprung many hams thoughts turn to two major events. The Dayton Hamvention and Field Day. I'll be working as a Volunteer with ARRL HQ at Dayton and attending the formal SM meeting held there as well. I hope to bring back useful ideas and information to further the activities of our Section.

As to Field Day, don't forget to list your operation on the ARRL Website of the Field Day Locator Page at: **www.arrl.org/field-day-locator**. There is also a very active Facebook Page supporting Field Day. This can be found at: **www.facebook.com/events/344578399070346**. I hope to visit as many of the Section operations as time permits.

I am sure many of you have been monitoring (or maybe even participating) in the Traffic support related to the earthquake in Nepal (9N1). As of this writing, formal emergency operations on 14.300 MHz have been concluded. Thanks to all who acted or, at least, kept the frequency clear for traffic.

This has been a big month for Scouting in our Section. Our Section Youth Coordinator Bob Applegate K2UT reported that there were two parallel Scouting events during April.

First was the Quakesen District Spring Camporee at the Rancocas State Park. SJRA (**www.sjra.org**) had a table with HF and 2 Meter rigs running. There were 233 registered people at the event, about 180 of which were Boy Scouts and Venture Crew members. The display was next to the Communications Merit Badge table, and also next to the Channel 6 news van which was sending video of the event back to the studio.

The Quakesen District Cub-o-Ree at the Pine Tree Education & Environmental Center in Tabernacle, NJ. BCRC (**www.k2td-bcrc.org**) had several radios set up and demonstrated ham radio to over 400 Cub Scouts and their parents.

The two sites used the SJRA repeater (**145.290 MHz**) in Medford to keep in touch, but both were also on HF. They used 40 meters at the Camporee and talked with stations in Canada and the US. Both stations were in operation from about 9 AM until 4 PM.

This month our Section also presented 70 Year Scouter and ARRL's 2003 Herb S. Brier Instructor of the Year Don Wright, AA2F (left) with the new ARRL Amateur Radio Service to Scouting Award. Gary Wilson, K2GW, Southern New Jersey Assistant Section Manager made the presentation at the Mercer Area District Recognition Dinner, Washington Crossing Council, BSA on April 19.

We received a last minute request from ARRL HQ to provide statistics related to our section's operations during Hurricane Sandy. I put out a call to our "Green Badges" and received great response from the members of our Section Team. Special thanks go out to our Section State Government Liaison Chris Cannatella KC2GNQ who used his professional contacts to fill in some gaps in our knowledge base. Hopefully, these efforts will allow HQ to

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receive a $40,000 grant from the United Way.

I will be speaking at the Old Barney Amateur Radio Club (**www.obarc.org**), Ocean Acres Community Center, 489 Nautilus Drive, Manahawkin, NJ. Tuesday May 5th at 7:30 PM.

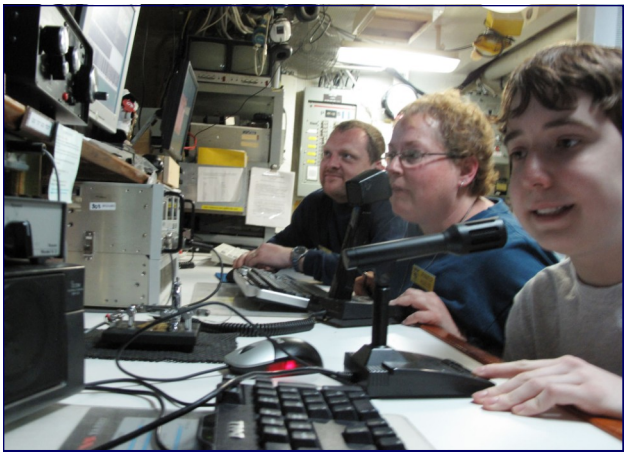
73 de SKIP N2EI

ARRL Southern New Jersey Section
Section Manager: T J Arey, N2EI
n2ei@arrl.org

Guest Operators on the Battleship New Jersey

By Jim Wright, N2GXJ

GCARC club members were given the opportunity to be guest radio operators on board the museum ship Battleship New Jersey. It's fun to be able to do things like this with the club! Here's a few pictures from the outing. Thank you again Harry AA2WN for hosting us!



MONROE TOWNSHIP 5TH ANNUAL

MUSIC FESTIVAL

AND FIREWORKS SHOW

JUNE 6TH

RAIN DATE JUNE 7TH

5:00 PM TO 10:30 PM

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Tech Saturday Forum : June 6, 2015

By John Zaruba, K2ZA

The objective of the Tech Saturday Forum is to have an open discussion of subjects of Amateur Radio interest. All questions are welcome as well as a venue for members to show off their latest ham radio projects or gadgets. All are welcome - hams and non-hams - club members and non-club members.

Take a guided tour of our clubhouse. View our HF and VHF/UHF Operation Facilities and our vast antenna farm.

The Tech Saturday Forum is held on the Saturday after the General Membership meeting. The next one is June 6, 2015 at 0900 Hours. For more information, go to **www.w2mmd.org** on the Tech Saturday Forum page.

General Class License training class

Cumberland County Office of Emergency Management announces a training for the Amateur General Class license, to be held this June in Bridgeton.

The class is to run Mondays & Wednesdays in June, from the 1st through the 24th; time about 7:00 to 9-9:30pm. Location is the Cumberland County 911 center, 637 Bridgeton Avenue, County Route 666, Bridgeton, NJ 08302.

We are trying to obtain the current ARRL manual (will expire on this 30 June) at reduced cost, but no info on this yet. I am not sure if manuals will be lent to students, or if you would have to buy them.

We are also trying to arrange a VE session between the end of the class and the end of the month. This is not definite as of yet. Another group in Camden County plans a session for the morning of the 27th (Field Day Saturday) but we will try to have something in our area for our students if possible.

There is no charge for the class itself. The current VE exam fee is $15. Price of materials, if bought through the vendor, is to be determined.

You can call (856)455-8770, ext 361, to register.

Please pass on this information to those you think are interested in attending and upgrading.

Thank you.
Mike Harla, N2MHO, County RACES officer/ARRL Emergency Coordinator, Cumberland County.

Ed Champion, N2RO
Gloucester County RACES RO
Gloucester County ARES EC

Regional Hamfest and Events

June 6, 2015 : Rochester Amateur Radio Association Hamfest, Barnard Fireman's Field, 360 Maiden Lane, Rochester, NY. **www.rochesterham.org**

June 13, 2015 : Bloomsburg Hamfest - CMARC 25th Annual, Columbia-Montour Amateur Radio Club, Lime Ridge Community Center, 6405 4th Street, Lime Ridge, PA. **www.qsl.net/cm-arc**

June 20, 2015 : Raritan Valley Radio Club Hamfest, Piscataway High School, Lot#11/12, Hoes Lane and Behmer Road, Piscataway, NJ. **www.w2qw.org**

June 21, 2015 : BARC Father's Day Hamfest, Baltimore Amateur Radio Club, Arcadia Volunteer Fire Company Grounds, 16020 Carnival Avenue, Upperco, MD. **www.w3ft.com**

June 25 - 27, 2015 : Mid-Atlantic Radio Club (MAARC) RadioActivity 2015, Holiday Inn Timonium, 9615 Deereco Road, Timonium, MD. **www.maarc.org**

Monroe Township Memorial Day Parade Monday, May 25, 2015

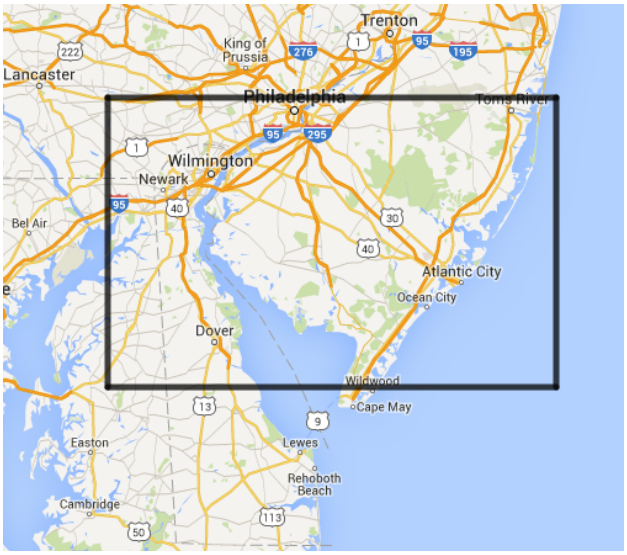
Marching in the parade were:

Dave MacDonald, WB3JOY
Dave's XYL, Linda
Jeff Garth, KC2WCS
Mark Mastrogiacomo, KE2WC

As a show of support to our local veterans, and a sign of respect for those who have sacrificed so much in defense of our country and the freedoms we enjoy as Americans, GCARC members and a non-member marched in the Monroe Township 2015 Memorial Day Parade. Club member Dave MacDonald, WB3JOY, had graciously volunteered to be the organizer for our club's participation in this event.

What's a Maidenhead Grid Square?

By Jim Wright, N2GXJ



When someone asks on the radio "What's your QTH?", they're asking about where you are transmitting from. When on HF, like during Field Day, it's usually sufficient to answer with our ARRL section name; namely "Southern New Jersey". But sometimes, like 6 Meters, on VHF and UHF, and on satellite QSO, you'll often be asked for your "Grid Square" as a more precise description of your location. This locator can be used to calculate an approximate bearing for pointing an antenna, and for a rough distance calculation between stations. Like in this month's VHF contest, grid squares are often required during a VHF/UHF contest exchange. So do you know what a grid square is, and what your number is?

As described in the ARRL article **www.arrl.org/grid-squares**, a grid square is a designated rectangle on a map of the world that is approximately 1 degree of latitude high, and 2 degrees of longitude wide (each about 70 x 100 miles here in North America). Here in Gloucester County, NJ, our Clubhouse in Mullica Hill is located in a grid square that has the named designation of "FM29".

To add further precision, each grid square is further divided into sub-squares. These sub-squares are each about 3 miles high by 4 miles wide here in North America, and result in two more lower case letters being added to the grid locator. For example, our Clubhouse is in the fully specified grid square named "FM29jr". It is usually this 6-character grid square locator that is exchanged on 70 centimeter band, and higher, to allow for more accurate pointing of directional antennas.

How do you find what grid square you are located in? There are several ways, but an easy one is to type in your callsign or address on a website that can translate that to a Maidenhead Grid Square name that your address resides in. There are many to choose from, but one I like was created by David, K2DSL, from Waldwick, NJ. Here's the link: **www.levinecentral.com/ham/grid_square.php**. And while you're there, you might want to check out some of his other tools, and his blog, which includes this 1 minute video. Like he says, it will make your day! **www.k2dsl.com/2015/03/08/great-iss-ham-video/**.

Try out your VHF radio Saturday evening, June 13

By Jim Wright, N2GXJ

Now that you know your grid square, want to give VHF contesting a try? If you've got a radio that works on 6 Meters, or 2 Meters, or 70 centimeters, or any combination of these, or really on any authorized amateur radio frequency above 50 MHz, this weekend is for you! Normally there is not that much activity on these bands. But odds are you'll be able to make some contacts during a contest weekend; and there is a contest starting at 1800 UTC Saturday June 13. The objective is simple: work as many amateur stations in as many different 1x2 degree grid squares as possible using authorized frequencies above 50 Mhz. Contesting stations will be eager to hear from you, so why not give them a shout? All you need to exchange is your callsign and your grid square locator (e.g. "FM29"). Full details can be found at **www.arrl.org/june-vhf**.

Good luck!

GCARC Summer PotLuck Picnic

WHEN:	**Saturday, July 25, 2015**
WHO:	**All club members, spouses, and family members**
WHERE:	**Red Bank Battlefield** **Hessian Avenue Pavilion** **100 Hessian Ave** **National Park, NJ 08063**
TIME:	**1300 Hours**
RSVP:	**Jennifer Robinson, KD2EYR** **(856) 275-0086 or trailpie@gmail.com**

The club will provide the paper goods, main dish, beverages, and homemade ice cream. Please bring a side dish or dessert to share (or make a donation and we will take care of it for you!). If you are not sure what to bring, call or e-mail Jennifer, she has a list of side dishes and desserts needed.

PLEASE NOTE: Jennifer is VERY ALLERGIC to seafood, so if you bring a dish that includes any kind of tuna/ fish or shellfish, please be sure that it is MARKED clearly so someone else can handle that particular dish. Thanks for your understanding!

GPS Heading : 39.869200°, -75.189935°

Summer Picnic - Continued on page 13

Summer Picnic - Continued from page 12

From Philadelphia & Points North:

- **Take the North-South Freeway (Route 42) to I-295 South.**
- **Exit 23 "National Park" make right onto Hessian Avenue (County Route 642).**
- **Approximately 2 miles Hessian Avenue ends at the park entrance.**

From Points South:

- **Take I-295 North to Exit 21 "Woodbury".**
- **Make left onto Delaware Street (County Route 640).**
- **Delaware Street ends at Grove Road (stop sign), County Route 643. Make right.**
- **First traffic light at Hessian Avenue (County Route 642) make left Hessian Avenue ends at park entrance.**

From Points East:

- **Take 322 West into Glassboro.**
- **Make right onto Route 47 (Delsea Drive).**
- **At 5 points intersection, take jug handle and continue on Route 47.**
- **Take Route 47 into Deptford, at the intersection of Cooper Street (County Route 640) make a left.**
- **Follow Cooper Street through Woodbury past the County Court House, Cooper Street becomes Delaware Street, but remain on County Route 640.**
- **Follow Delaware Street till it dead-ends at Grove Road (County Route 643), at stop sign make a right.**
- **At the first traffic light, make a left onto Hessian Avenue (County Route 642). Hessian Avenue ends at Park entrance.**

Demonstration of Ham Radio to local Cub Scouts

By Jim Wright, N2GXJ

On Thursday, April 30, members of the Gloucester County ARC hosted a field trip for a local Cub Scout Webelos Den 244 (4th grade boys) from Harrison Township, and their parents, to tour our radio Clubhouse, and to get an overview of Ham radio at the same time. After being cooped up in the school library all winter, the scouts (and their leader), were excited for an opportunity to get out and experience something different. Combined, there were about a dozen scouts, siblings, and parents in attendance.

We started with a brief introduction and slideshow in our main room, progressed into showing some DIY items (including a soldering iron - which was new to them, a "tuna can" transmitter, a fox transmitter and directional antenna, and some other things. We then passed around some colorful QSL cards and had them use a globe to try and find where some of the places the cards were from. We went on a tour of the station, including the UHF/VHF and HF communications rooms, performed an interactive Morse Code activity, and then each got a chance to talk live on the air over radio, using the site's 2 Meter station, with another club member via our repeater in Pitman, New Jersey. The parents had a good time too, listening in on HT's we had tuned in for them while their kids took turns at the site's 2 Meter station. They've all been invited back to visit us during Field Day, when the Boy Scouts from Troop 9 will be running a GOTA (Get-On-The-Air) station and camping out with us.

Special thanks go out to all club members who helped me with this event, and to Webelos Den leader (and recently licensed ham) Kevin. KD2IGU, for suggesting the idea and for coordinating with his scouts and their parents.

FCC Eliminates Amateur Radio Vanity Call Sign Regulatory Fee

May 22, 2015

The FCC is eliminating the regulatory fee to apply for an Amateur Radio vanity call sign. The change will not go into effect, however, until required congressional notice has been given. This will take at least 90 days. As the Commission explained in a Notice of Proposed Rule-making, Report and Order, and Order (MD Docket 14-92 and others), released May 21, it's a matter of simple economics.

"The Commission spends more resources on processing the regulatory fees and issuing refunds than the amount of the regulatory fee payment," the FCC said. "As our costs now exceed the regulatory fee, we are eliminating this regulatory fee category." The current vanity call sign regulatory fee is $21.40, the highest in several years. The FCC reported there were 11,500 "payment units" in FY 2014 and estimated that it would collect nearly $246,100.

In its 2014 Notice of Proposed Rule Making (NPRM) regarding the assessment and collection of regulatory fees for FY 2014, the FCC had sought comment on eliminating several smaller regulatory fee categories, such as those for vanity call signs and GMRS. It concluded in the subsequent Report and Order (R&O) last Summer, however, that it did not have "adequate support to determine whether the cost of recovery and burden on small entities outweighed the collected revenue or whether eliminating the fee would adversely affect the licensing process."

The FCC said it has since had an opportunity to obtain and analyze support concerning the collection of the regulatory fees for Amateur Vanity and GMRS, which the FCC said comprise, on average, more than 20,000 licenses that are newly obtained or renewed, every 10 and 5 years, respectively.

"The Commission often receives multiple applications for the same vanity call sign, but only one applicant can be issued that call sign," the FCC explained. "In such cases, the Commission issues refunds for all the remaining applicants. In addition to staff and computer time to process payments and issue refunds, there is an additional expense to issue checks for the applicants who cannot be refunded electronically."

The Commission said that after it provides the required congressional notification, Amateur Radio vanity program applicants "will no longer be financially burdened with such payments, and the Commission will no longer incur these administrative costs that exceed the fee payments. The revenue that the Commission would otherwise collect from these regulatory fee categories will be proportionally assessed on other wireless fee categories."

The FCC said it would not issue refunds to licensees who paid the regulatory fee prior to its official elimination.

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Who will be the first to bridge the Atlantic on 2 meters?

By Jim Wright, N2GXJ

A tantalizing question. If you were to set up a station using Dr. Joe Taylor's JT65b weak-signal mode, or his FSK441 meteor scatter mode, and set up a two-way trans-Atlantic beacon station in Kilcrohane, Ireland (locator IO51dn) with a high gain antenna pointed towards the USA, could there be a chance?

Well, it turns out that just such a station has been established on behalf of the Irish Radio Transmitters Society (IRTS) by Tony Baldwin, EI8JK. Latest logged beacon activity is accessed via the public web page: **86.43.106.118/ei4hq/ei8jk/**. And there is a prize for pulling of this accomplishment!

The Irish Radio Transmitters Society **(www.irts.ie)** has established what they refer to as the "Brendan Awards" designed to encourage experimentation with two-way trans-Atlantic communications by radio amateurs using the 2 meter band. To pull off this accomplishment, both callsigns have to be received in full, a signal report (minimum 2 characters of any generally recognized system) has to be exchanged, there has to be a received confirmation (R or Roger) that the other station has satisfied the prior two conditions. This information must be exchanged within a maximum period of four hours, after which the contact must be recommenced. The contact must be made via natural reflectors within the atmospheric mantle of the Earth, which for these purposes may be taken as a distance of 1,000 KM. Thus man-made reflectors (aircraft, satellites, etc) as well as EME are excluded.

I've been in contact with Tony, who runs the beacon (EI8JK). He says one brief signal from VC1T in Newfoundland was received last year by G4SWX, but no 2 way. And it has been proposed that the single burst of FSK received was the result of bouncing the signal off the International Space Station which was in ideal position at the time, so the IRTS has not accepted that as a contact yet.

Is such a thing even possible? Anyone care to try and find out? Perhaps you have a home setup that could monitor the beacon's 144.488 MHz frequency. Maybe we could try for a QSO from our Clubhouse during the June 6th Tech Saturday Forum, and if that does not work out, maybe again during the Perseids meteor shower August 12-14. We'll never know if we don't try!

General Class License Test Question Pool To Change July 1

By Jim Wright, N2GXJ

Every few years there is an upgrade to the pool of license test questions that are used for each license class. There will be a new question pool in effect for those wishing to take the General Class test after July 1, 2015. Both the old question pool, and the new question pool, along with study answers, is available from the "**Get Your Ham Ticket**" tab of our club website, **www.w2mmd.org**. Our last scheduled VEC testing session before the question pool changes is Thursday, June 11 at 7pm at the Franklin Township Library. Walk-ins welcome, but be sure to bring the required documentation. Detailed information is available by clicking the "Testing Location" radio button on the "**Get Your Ham Ticket**" page. Good luck!

Hurricane Season

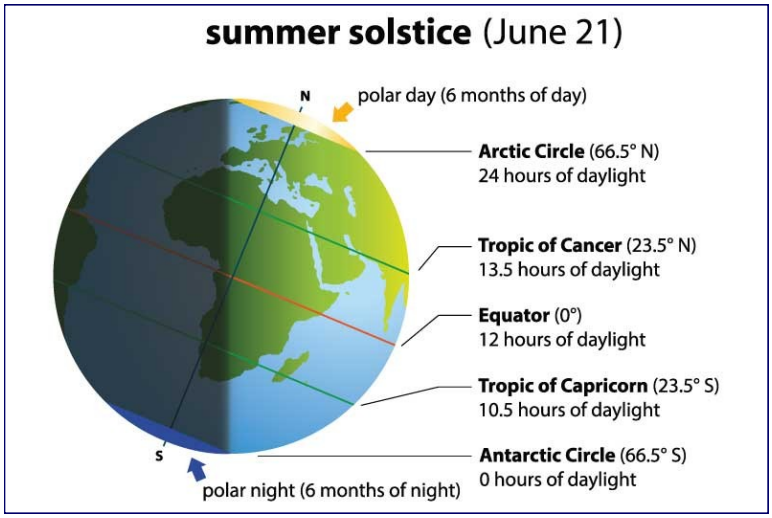
By Jim Wright, N2GXJ

Hurricane preparedness week is May 24-30. On Saturday, May 30, from 1400Z to 2200Z, the National Hurricane Center amateur radio station WX4NHC will activate for its annual station test. It is a good training event for the operators there, and helps familiarize other staff across the country with Amateur Radio services available during times of severe weather. Look for them on or near the recognized Hurricane Watch Net frequency of 14.325 MHz. QSL cards are available via WD4R with a SASE. **w4ehw.fiu.edu**

Club Field Day QSL Card Contest!

By Jim Wright, N2GXJ

As you read in last month's Crosstalk, we're having a contest to choose the design of the electronic QSL card that we will be issuing for our Field Day contacts this year. Over the past month, several designs have been emailed to me (thank you). So, what design are we going to use? Answer: that is up to you! I'll be displaying them up on the projector screen at the next club meeting, and you'll get to vote to pick which card will represent us then!



Florida QSO Party
April 25, 2015

Call: N2CQ
Operator (s) : N2CQ
Station: N2CQ

Class: SOAB (A) CW LP
QTH: SNJ
Operating Time (hrs):
Location: Out of State/Province

Summary: Compare Scores

Band	CW Qs	Phone Qs
160:		
80:		
40:	14	
20:	218	
15:	19	
10:	1	

Total: 252 0 CW Mults: 67 Ph Mults: 0
Total Score: 67,536

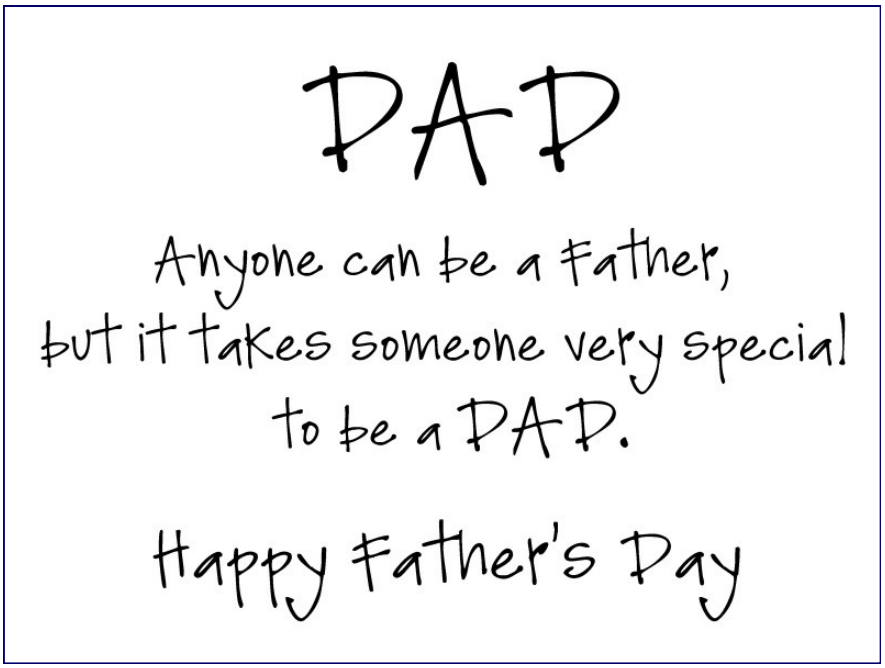
Club: Frankford Radio Club

Comments: All counties worked this time!

13 Colonies Special Event
Independence Week
June 30 to July 5, 2015

South Jersey operators, Ed, N2RO and Dave, W2YC will be with two other operators representing the New Jersey colony using Special Event Call: K2I

www.13colonies.info



Facebook Page

w2mmd.org

DA's and DIT's

Gary Reed, N2QEE reports that the May 14, 2015 VE session had 9 candidates with 1 Extra, 1 General, and 6 Technicians.

N3MSS - Bike MS: City To Shore Ride - October 3-4, 2015.
Volunteer communicators are still needed for this event. They can download registration forms from our **www.w2mmd.org** website on the MS Bike/Walk Events page. Also see the MS Society website at: **http://www.nationalmssociety.org/Chapters/PAE/Fundraising-Events**

The Tour de Pitman is scheduled for June 13, 2015. www.uptownpitman.com/events/tour-de-pitman

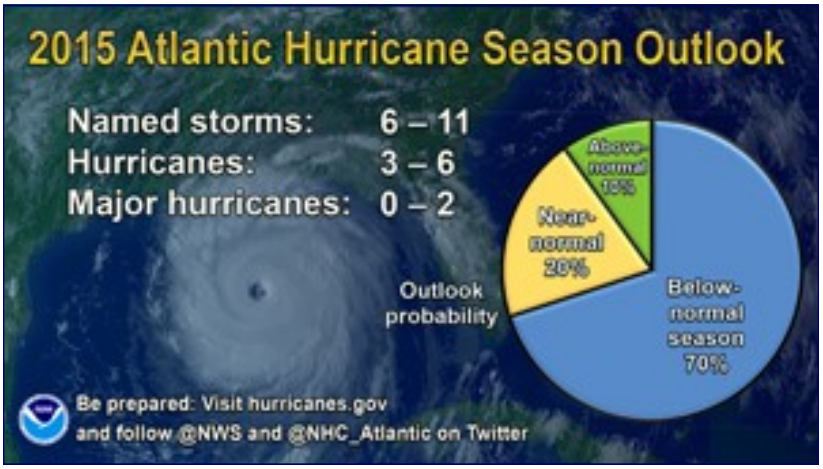
Congratulations to Matthew Rainey, N2EEE, for passing his Amateur Extra Class test.

Congratulations to Leroy Marino. He is now a Technician Class Operator. His callsign is KD2ITC.

SkyWarn Class: June 9, 2015 @ 1900 Hours, Burlington County Emergency Services Training Center, 53 Academy Drive, Westampton, NJ. Registration is not required at this time. Please contact Larry Nierenberg at **larry <*dot*> nierenberg <*at*> noaa.gov**.
More information at: **www.weather.gov/phi/trainingskywarn2**

SkyWarn Class: June 10, 2015 @ 1900 Hours, Sussex County Emergency Operations Center, 21911 Rudder Lane, Georgetown, DE. Registration is not required at this time. Please contact Larry Nierenberg at **larry <*dot*> nierenberg <*at*> noaa.gov**.
More information at: **www.weather.gov/phi/trainingskywarn2**

Atlantic Hurricane Season starts June 1 and ends November 30, 2015



Gloucester County 4-H FAIR Assoc.

Gloucester County 4-H Fair and New Jersey Peach Festival : July 23 - 26, 2015
www.gc4hfair.com

Field Day - June 27-28, 2015 - Band Chart

Band	Operator	Mode
2 Meters		Phone
		CW
		Digital
6 Meters	Al Arrison, KB2AYU	Phone
		CW
		Digital
10 Meters	Dan Tremolini, N2TXG	Phone
		CW
		Digital
15 Meters	Tom Gorman, KE2ES	Phone
	John Zaruba, K2ZA	CW
		Digital
20 Meters	Mark Townsend, W2OCY Kyle Townsend, W2KBT	Phone
	Merrill Brown, WK2G Bill Ustaszeski, WA2DUV	CW
	Jim Wright, N2GXJ Jerry Jacobus, WB2QEF	Digital
40 Meters	Kenny Denson, WB2P Vinnie Sallustio, N4NYY Milt Frantz, K2MXF Wayne Wilson, WA2LET Tom Gorman, KE2ES Gene Wallace, N2IMK	Phone
	Harry Bryant, AA2WN Sheldon Parker, K2MEN Ken Newman, N2CQ Gene Schoeberlein, AA2YO Dennis Sandole, K2SE	CW
		Digital
80 Meters	Mark Gottlieb, WA2DIY	Phone
		CW
		Digital

Field Day Chairman - Kenny Denson, WB2P - densonkr@verizon.net

W2MMD

GLOUCESTER COUNTY AMATEUR·RADIO·CLUB NEW JERSEY

Celebrating Our 56th Year

22 miles from Philadelphia, PA
28 miles from Wilmington, DE
67 miles from Dover, DE
77 miles from Reading, PA
81 miles from Allentown, PA
91 miles from Baltimore, MD
107 miles from New York City, NY
125 miles from Harrisburg, PA

South Jersey's Biggest Hamfest
Sunday, September 13, 2015

Hamfest 2015

Open to the public 8 am to 2 pm, rain or shine
Gates open at 6 am for tailgaters and sellers

GCARC 37th Annual Hamfest

Tailgaters and sellers of new, used, antique radio, computer, and electronic equipment

ADMISSION: $8.00

Non-Ham spouses and kids FREE

DXCC-VUCC-WAS Card checking 11:30 am

ARRL VEC License Testing

Testing begins at 9:00 am

Please bring a copy of your license and any CSEs

- Entry ticket is valid for door prize drawings.
- Ticket holder must be present to win.
- Tailgaters $7.00 per space *
- $10.00 Pavilion tables or table space **
- Some pavilion spaces have electric
- Space price does not include admission
- Talk-In Repeater : 147.180+ PL 131.8

SOUTHERN NEW JERSEY COUNCIL LEAVING ONLY FOOTPRINTS IN THE SANDS OF TIME 1910-2010 TROOP 9 WEST DEPTFORD, NJ

Gloucester County 4-H Fairgrounds
235 Bridgeton Pike (Route 77) • Mullica Hill, NJ 08062
GPS : 39.715572°, -75.211944°

* Tailgating rules (open grassy areas only) : $7.00 per vehicle space, up to 10 feet. No reserving or holding spaces for tailgaters not yet present. *First come, first serve.*
** Table rules (covered pavilions only) : $10.00 per table (yours or ours), or table space up to 8 feet. Tailgating under pavilions will fall under "Table Rules" rates.

Contact : Cory Sickles, WA3UVV at wa3uvv@arrl.net or (856)582-9146 • Club Website : w2mmd.org
GCARC, PO Box 370, Pitman, NJ 08071

Recent Licensing Statistics

The following report of FCC licenses issued is supplied by Maria Somma, AB1FM, ARRL VEC Manager. Somma notes that, while Amateur licenses issued are down slightly from last year's record-setting pace, they are 8% above the typical totals from previous years. Upgraded license are up 9% compared to the same period last year. The total number of U.S. Amateurs has continued to grow each year since the FCC license class restructure in 2007. As of March 31, 2015 the amount of licensees reached an all time high of 728,146.

NEW and UPGRADED FCC LICENSES ISSUED PER YEAR BY QUARTER					
FCC License Activity	**2011 1st quarter**	**2012 1st quarter**	**2013 1st quarter**	**2014 1st quarter**	**2015 1st quarter**
Technician	5,077	6,654	6,850	7,950	7,381
General	2,527	2,728	2,507	2,810	2,925
Extra	861	974	789	902	1,040
Total Issued	**8,465**	**10,356**	**10,146**	**11,662**	**11,346**

From ARRL Radio Waves - Spring 2015
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www.facebook.com/W2MMD

Regional Yaesu System Fusion Repeaters

County, State	Location	Callsign/Club	Frequency	Off-Set	PL Tone
Atlantic County, NJ	Atlantic City	K2ACY	449.625 MHz	Minus	156.7 Hz
Atlantic County, NJ	West Atlantic City	W2HRW/SPARC	443.250 MHz	Plus	146.2 Hz
Camden County, NJ	Blue Anchor	KB2AYS	445.125 MHz	Minus	91.5 Hz
Camden County, NJ	Cherry Hill	K3RJC/HARC	444.900 MHz	Plus	131.8 Hz
Camden County, NJ	Gloucester City	NJ2GC	447.775 MHz	Minus	146.2 Hz
Camden County, NJ	Runnemede	WA2WUN	147.225 MHz	Plus	192.8 Hz
Gloucester County, NJ	Pitman	W2MMD/GCARC	147.180 MHz	Plus	131.8 Hz
Gloucester County, NJ	Pitman	W2MMD/GCARC	442.100 MHz	Plus	131.8 Hz
Mercer County, NJ	Lawrenceville	W2MER	147.105 MHz	Plus	123.0 Hz
Mercer County, NJ	West Trenton	W2ZQ/DVRA	146.670 MHz	Minus	131.8 Hz
*Morris County, NJ	Rockaway	WK3SS	446.625 MHz	Minus	100.0 Hz
Ocean County, NJ	Manchester	WA2RES/OCARES	145.170 MHz	Minus	131.8 Hz
Ocean County, NJ	Toms River	NJ2AR/JSARS	448.625 MHz	Minus	141.3 Hz
Salem County, NJ	Pennsville	N2KEJ/SCRA	146.625 MHz	Minus	131.8 Hz
Berks County, PA	Reading	KB3WLV	445.175 MHz	Minus	114.8 Hz
Bucks County, PA	Southampton	W3SK/PWA	146.790 MHz	Minus	131.8 Hz
Bucks County, PA	Southampton	W3SK/PWA	448.225 MHz	Minus	131.8 Hz
Chester County, PA	Paoli	WB3JOE/MARC	445.675 MHz	Minus	131.8 Hz
Lancaster County, PA	Buck	KX3B	146.745 MHz	Minus	D114/D114
Lancaster County, PA	Cornwall	W3AD/LRTS	449.025 MHz	Minus	162.2 Hz
Lancaster County, PA	New Holland	N3FYI	449.275 MHz	Minus	114.8 Hz
Lawrence County, PA	Ellwood City	N3ZJM/ECARA	443.625 MHz	Plus	131.8 Hz
Lawrence County, PA	New Castle	N3ETV/ARLLC	444.725 MHz	Plus	131.8 Hz
Monroe County, PA	East Stroudsburg	KB3TEM	144.920 MHz	Input 446.550	D343
Montgomery County, PA	Horsham	K3JJO/DRC	147.165 MHz	Plus	162.2 Hz
Montgomery County, PA	Wyndmoor	K3PDR/PDRA	447.475 MHz	Minus	Open
Philadelphia County, PA	Roxborough	W3QV/Phil-Mont	444.800 MHz	Plus	186.2 Hz
Kent County, DE	Dover	KC3ARC/KCARC	146.970 MHz	Minus	77.0 Hz
*New Castle County, DE	Newark	W3DRA/DRA	146.700 MHz	Minus	131.8 Hz
*New Castle County, DE	Newark	W3DRA/DRA	449.025 MHz	Minus	131.8 Hz
**Sussex County, DE	Lewes	W4ALT	443.550 MHz	Plus	156.7 Hz
Sussex County, DE	Millsboro	WS3ARA/SARA	449.825 MHz	Minus	156.7 Hz
Sussex County, DE	Selbyville	WS3ARA/SARA	145.250 MHz	Minus	156.7 Hz

Our website has a longer list which includes Southern New York, all of Pennsylvania, Maryland, Virginia, and West Virginia.

New entry or update as of this issue.
****As of May 5, 2015: Upgrading to Fusion in 90-120 Days.***

June Birthdays

Congratulations to our members celebrating their birthday this month

Joseph Arsenault WA2KDV
Kenneth Denson WB2P
Kenneth Newman N2CQ
David Paster AC2IQ
Raymond Schnapp WB2NBJ
Glenn Showalter WB7QBZ
Kyle Townsend W2KBT
James Wilson N2SVN

In Memoriam
June Birthdays

Silent Keys:
Joshua Brehm AE2L
Raymond Buirch KB2BIG
Philip Mattison WA2WOD

Crosstalk Submissions

This is your Club newsletter. Make use of it.

If you have stories or photos of your hobby that you would like to share with the Club, please do so!

We will keep covering all of the GCARC events, but it is also nice to get those personal perspectives to include in every issue.

Connecting through experiences is what makes the Gloucester County Amateur Radio Club a *REAL* club.

All submissions, queries, comments and editorials should be addressed to Jeffrey Garth, KC2WCS at jeff.garth <at> comcast.net.

Submission deadline for the July 2015 issue: Saturday, June 20, 2015

Club Website www.w2mmd.org
Club E-Mail Reflector: gcarc@mailman.qth.net

Contest Calendar

For more information on the contests, please go to the WA7BNM Contest Calendar website:
www.hornucopia.com/contestcal

June 2015	
RSGB 80m Club Championship, Data	1900Z-2030Z, Jun 1
ARS Spartan Sprint	0100Z-0300Z, Jun 2
CWops Mini-CWT Test	1300Z-1400Z, Jun 3 and 1900Z-2000Z, Jun 3 and 0300Z-0400Z, Jun 4
NRAU 10m Activity Contest	1700Z-1800Z, Jun 4 (CW) and 1800Z-1900Z, Jun 4 (SSB) and 1900Z-2000Z, Jun 4 (FM) and 2000Z-2100Z, Jun 4 (Dig)
NCCC RTTY Sprint	0145Z-0215Z, Jun 5
NCCC Sprint Ladder	0230Z-0300Z, Jun 5
10-10 Int. Open Season PSK Contest	0000Z, Jun 6 to 2400Z, Jun 7
DigiFest	0400Z-1200Z, Jun 6 and 2000Z, Jun 6 to 0400Z, Jun 7 and 1200Z-2000Z, Jun 7
VK Shires Contest	0600Z, Jun 6 to 0600Z, Jun 7
Wake-Up! QRP Sprint	0600Z-0629Z, Jun 6 and 0630Z-0659Z, Jun 6 and 0700Z-0729Z, Jun 6 and 0730Z-0800Z, Jun 6
SEANET Contest	1200Z, Jun 6 to 1200Z, Jun 7
ADRAD Kayldall DMR Contest	1300Z-1900Z, Jun 6
UKSMG Summer Contest	1300Z, Jun 6 to 1300Z, Jun 7
Dutch Kingdom Contest	1500Z, Jun 6 to 1500Z, Jun 7
IARU Region 1 Field Day, CW	1500Z, Jun 6 to 1459Z, Jun 7
RSGB National Field Day	1500Z, Jun 6 to 1500Z, Jun 7
Alabama QSO Party	1600Z, Jun 6 to 0400Z, Jun 7
NAQCC CW Sprint	0030Z-0230Z, Jun 10
CWops Mini-CWT Test	1300Z-1400Z, Jun 10 and 1900Z-2000Z, Jun 10 and 0300Z-0400Z, Jun 11
RSGB 80m Club Championship, CW	1900Z-2030Z, Jun 10
NCCC RTTY Sprint	0145Z-0215Z, Jun 12
NCCC Sprint Ladder	0230Z-0300Z, Jun 12
HA3NS Sprint Memorial Contest	1900Z-1929Z, Jun 12 (40m) and 1930Z-1959Z, Jun 12 (80m)
DRCG WW RTTY Contest	0000Z-0759Z, Jun 13 and 1600Z-2359Z, Jun 13 and 0800Z-1559Z, Jun 14
Asia-Pacific Sprint, SSB	1100Z-1300Z, Jun 13
SKCC Weekend Sprintathon	1200Z, Jun 13 to 2400Z, Jun 14
Portugal Day Contest	1200Z, Jun 13 to 1200Z, Jun 14
QRP ARCI QRP Shootout	1500Z-2100Z, Jun 13 (CW) and 1500Z-2100Z, Jun 14 (SSB)
GACW WWSA CW DX Contest	1500Z, Jun 13 to 1500Z, Jun 14
REF DDFM 6m Contest	1600Z, Jun 13 to 1600Z, Jun 14
ARRL June VHF Contest	1800Z, Jun 13 to 0259Z, Jun 15
CWops Mini-CWT Test	1300Z-1400Z, Jun 17 and 1900Z-2000Z, Jun 17 and 0300Z-0400Z, Jun 18
RSGB 80m Club Championship, SSB	1900Z-2030Z, Jun 18
NCCC RTTY Sprint	0145Z-0215Z, Jun 19
NCCC Sprint Ladder	0230Z-0300Z, Jun 19
SMIRK Contest	0000Z, Jun 20 to 2400Z, Jun 21
All Asian DX Contest, CW	0000Z, Jun 20 to 2400Z, Jun 21
Ukrainian DX Classic RTTY Contest	1200Z, Jun 20 to 1159Z, Jun 21
AGCW VHF/UHF Contest	1400Z-1700Z, Jun 20 (144) and 1700Z-1800Z, Jun 20 (432)
Stew Perry Topband Challenge	1500Z, Jun 20 to 1500Z, Jun 21
West Virginia QSO Party	1600Z, Jun 20 to 0200Z, Jun 21
Feld Hell Sprint	2000Z-2159Z, Jun 20
WAB 50 MHz Phone	0900Z-1500Z, Jun 21
Kid's Day Contest	1800Z-2359Z, Jun 21
Run for the Bacon QRP Contest	0100Z-0300Z, Jun 22
SKCC Sprint	0000Z-0200Z, Jun 24
CWops Mini-CWT Test	1300Z-1400Z, Jun 24 and 1900Z-2000Z, Jun 24 and 0300Z-0400Z, Jun 25
NCCC RTTY Sprint	0145Z-0215Z, Jun 26
NCCC Sprint	0230Z-0300Z, Jun 26
Ukrainian DX DIGI Contest	1200Z, Jun 27 to 1200Z, Jun 28
His Maj. King of Spain Contest, SSB	1200Z, Jun 27 to 1200Z, Jun 28
ARRL Field Day	1800Z, Jun 27 to 2100Z, Jun 28
10-10 Int. Spirit of 76 QSO Party	0001Z, Jun 29 to 2400Z, Jul 5

Committee Chairs

ARES/RACES	**Ed Champion, N2RO**
Awards and Contests	**Kenny Denson, WB2P**
Budget*	**Al Arrison, KB2AYU**
Club Publications	**Jeffrey Garth, KC2WCS**
• **Crosstalk Magazine**	**Karen Garth, Staff Typist**
• **Website**	
Clubhouse Site/Operations*	**Al Arrison, KB2AYU**
Constitution and By-Laws*	**Ron Block, NR2B**
DX	**Bill Grim, W0MHK**
Field Day*	**Kenny Denson, WB2P**
Fox Hunts	**Jim Wright, N2GXJ**
Hamfest*	**Sheldon Parker, K2MEN and Bill Price, NJ2S**
• **Hamfest Contact**	**Cory Sickles, WA3UVV**
Health and Welfare*	**Ray Martin, W2RM**
Historian	**Jeffrey Garth, KC2WCS**
Hospitality*	**Dave MacDonald, WB3JOY**
License Testing, VEC Liaison	**Gary Reed, N2QEE**
License Trustee	**Darrell Neron, AB2E**
Member Database	**Ken Newman, N2CQ**
Membership*	**Cory Sickles, WA3UVV**
Nominations*	**Jim Wright, N2GXJ**
Programs	**Cory Sickles, WA3UVV**
Publicity*	**Cory Sickles, WA3UVV**
Repeaters*	**Cory Sickles, WA3UVV**
Scout Liaison	**Frank Simila, KC2SJ**
Summer Picnic	**Jennifer Robinson, KD2EYR**
Technical and TVI	**Chuck Colabrese, WA2TML**

**** Denotes Standing Committees***

GCARC@mailman.qth.net e-mail reflector guidelines

1. **No attachments** (e.g. pictures, files) are allowed on the reflector.
2. If you have club-related pictures that you would like to share, you can send them to the webmaster, he will put them on the website and he will send out a general e-mail to all the members.
3. Otherwise, the pictures will have to be sent to the members' addresses.
4. URLs/Hyperlinks are acceptable on the reflector.
5. Do not send any messages with e-mail addresses in the **BCC** (**Blind Carbon Copy**) field. The message will be rejected. Use only the **To:** or **CC:** fields.
6. Members are subscribed to the reflector using the member's e-mail address from the roster database. You must use that address when sending an e-mail via the reflector.
7. If you use another address on the reflector, the message will get rejected or "*bounced*", because the reflector does not recognize that address.
8. Whenever a message sent to reflector is rejected or *"bounced"* for various reasons, the administrator has to log-in to the Mailman.QTH website and approve the message. If the admin recognizes the address as belonging to a club member, the message is accepted and passed on to the reflector.

FYI...If you use Comcast e-mail, you are limited to 100 addresses per message.
For more information about the e-mail reflector, goto : **www.mailman.qth.net**

The W2MMD Repeaters

Output: 147.180 MHz
Input: 147.780 MHz
Offset: +600 kHz - PL: 131.8 Hz
(Conventional FM plus C4FM Capability)

Output: 442.100 MHz
Input: 447.100 MHz
Offset: +5 MHz - PL: 131.8 Hz
(*Temporarily* Conventional FM)

Output: 1284.400 MHz
Input: 1272.400 MHz
Offset: -12.0 MHz
PL Tone: None

The above 3 repeaters are all
located in Pitman, NJ
GPS: 39.728481°, -75.131088°

Output: 224.660 MHz
Input: 223.060 MHz
Offset: -1.6 MHz
PL Tone: 131.8 Hz
Location: Sewell, NJ
GPS: 39.781382°, -75.099963°

Area Repeater Nets

SKYWARN™ Net
Sunday @ 1945: 147.180 MHz

Gloucester County ARES/RACES Net
Sunday @ 2000: 147.180 MHz

N3MSS MS Event Communications Net
Tuesday @ 1930: BEARS Repeater System

Meeting Calendar

General Membership Meeting

Wednesday, June 3, 2015 @ 1930 Hours
Pfeiffer Community Center
301 Blue Bell Road
(Main Street and Blue Bell Road)
Williamstown, NJ

Board of Directors Meeting

Wednesday, June 17, 2015 @ 1900 Hours
GCARC Clubhouse
Gloucester County 4-H Fairgrounds
235 Bridgeton Pike (Rt 77), Mullica Hill, NJ

June Club Meeting Program

Pizza Party
Swap Meet
Field Day Preview